## WHAT IS CLAIMED IS:

- 1. A phosphor comprising Ba, Gd, Y, B, O, and at least one selected from the group consisting of Ce, and Tb.
- 2. A phosphor according to claim 1, wherein the at least one selected from the group consisting of Ce, and Tb is used as an activator.
- '3: The phosphor according to claim 1, expressed by a composition formula of:

BaGd<sub>1-a-b</sub>Y<sub>a</sub>Ln<sub>b</sub>B<sub>9</sub>O<sub>16</sub>

where:

Ln represents at least one selected from the group consisting of Ce, and Tb; and

a and b satisfy  $0.05 \le a \le 1$  and  $0.003 \le b \le 0.5$ , respectively.

4. A vacuum ultra-violet radiation excited light emitting element comprising a phosphor which comprises Ba, Gd, Y, B, O, and at least one selected from the group consisting of Ce, and Tb.